Amendments to the Specification

The attached substitute specification includes all changes made in the specification.

The changes in the specification are as follows:

Please replace the paragraph beginning on page 1, line 5 and going to page 1, line 8, with the following paragraph:

A2

The resolution of a display, the main output unit in a computer system, is becoming higher year by year, thereby allowing an image to be displayed ~~finer~~ in greater detail. This is because the performance of a graphics accelerator that is installed in the computer system and the performance of the display ~~performance of a display apparatus have been~~ is improved.

Please replace the paragraph beginning on page 1, line 9 and going to page 2, line 2, with the following paragraph:

A3

On the other hand, the size of the display screen of a display apparatus for displaying images cannot unlimitedly be increased because of physical limitations of the display apparatus itself. A flat panel display included in a notebook computer, for example, cannot be ~~far~~ much larger than the main unit of the computer because of its notebook shape and therefore the size of its display screen is limited as a necessity. Also a display, especially a CRT display, in a desktop computer, cannot be made unlimitedly larger in terms of its footprint and weight because the display apparatus is placed on a desk.

Please replace the paragraph beginning on page 2, line 5 and going to page 2, line 8, with the following paragraph:

A4

While the amount of information displayed on the display screen can be increased by reducing a dot size to provide a higher resolution , the size of an image and character is also reduced by the reduced dot size, thereby degrading the visibility of the content of the display.

Please replace the paragraph beginning on page 2, line 9 and going to page 2, line 12, with the following paragraph:

A5

A ~~U~~unit for zooming in on a portion of a display screen is provided in most of today's computer systems in order to improve visibility of the display content to visually impaired users. This unit can be used to improve visibility of an image and character the size of which is, as mentioned above, reduced by increased resolution.

Please replace the paragraph beginning on page 2, line 17 and going to page 2, line 19, with the following paragraph:

A6 Figure 4 1 shows ~~an exemplary~~ a conventional display image zoomed in by the magnifier on a display screen. In Figure 4 1, an area labeled with 401 is the area where an image zoomed in by the magnifier is displayed.

Please replace the paragraph beginning on page 3, line 4 and going to page 3, line 6, with the following paragraph:

A7 Figure ~~5~~ 2 shows ~~an exemplary~~ a conventional display image zoomed in by this magnification tool on a display screen. In Figure ~~5~~ 2, an area labeled with 501 is the area where an image zoomed in by the magnifier tool is displayed.

Please replace the paragraph beginning on page 3, line 8 and going to page 3, line 13, with the following paragraph:

A8 Conventionally, when a higher resolution is provided by reducing ~~a~~ dot size, the size of an image and a character is also reduced with the reduced dot size, thus degrading the visibility of the content of the display, as described earlier. To solve the problem, a unit for zooming in on a portion of a display screen, which is conventionally provided in a computer system, may be used. However, such a technology cannot provide an environment having adequately high visibility to the user.

Please replace the paragraph beginning on page 3, line 18 and going to page 3, line 20, with the following paragraph:

A-9 Furthermore, because all of these technologies use software to zoom the image, significant CPU overhead is introduced, thus limiting the size of the area that can be zoomed, and reducing the display speed when a large area is zoomed in.

Please replace ~~the~~ paragraph beginning on page 5, line 8 and going to page 5, line 11, with the following paragraph:

A-10 The computer system described earlier may be characterized by, in addition to the above-describe configuration, further comprising a display status restoring unit for holding a display status before the resolution is changed by the resolution changing unit and, when the resolution of the display apparatus is restored to the resolution before being changed, restoring the resolution of the display apparatus to the held display status.

Please replace the paragraph beginning on page 5, line 12 and going to page 5, line 15, with the following paragraph:

A-11 cont Furthermore, the present invention can provide a computer system characterized by the following configuration: it comprises an input unit for accepting a predetermined input and a

A-11 cmd display zoom factor changing unit for changing a display zoom factor by changing the resolution of a display apparatus in response to a request input through the input unit.

Please ~~replace~~ the paragraph beginning on page 6, line 4 and going to page 6, line 5, with the following paragraph:

A-12 The present invention can provide a display control apparatus characterized by the following configuration: it comprises an input unit for accepting a predetermined input and a display-zoom-in unit for zooming in on a display by lowering the resolution of the display apparatus in response to a request for a display zoom-in accepted by the input unit.

Please ~~replace~~ the paragraph beginning on page 6, line 14 and going to page 6, line 15 with the following paragraph:

A-13 This characteristic is preferable as an operation environment for a user who wants to zoom in on a display because, ~~in stead~~ instead of resolutions, zoom factors provided by changing the resolutions are presented to the user.

Please ~~add~~ the following paragraphs, "Brief Description of the Drawings," following page 8, line 19, ending before the section "Detailed Description of the Preferred Embodiment":

Brief Description of the Drawings

Figure ~~4~~ 1 shows ~~an exemplary~~ a conventional display on a display screen zoomed in according to a prior art~~; and~~.

A-14 Figure ~~5~~ 2 shows ~~an exemplary~~ a conventional display on a display screen zoomed in according to another prior art.

Figure ~~1~~ 3 is a diagram for explaining a configuration of a display zoom factor change apparatus according to an embodiment of the present invention~~;~~.

Figure ~~2~~ 4 shows ~~an exemplary~~ a conventional flowchart describing an operation of the embodiment~~;~~.

Figures 5A and 5B ~~3~~ show ~~shows an exemplary~~ a conventional example in which a display image is zoomed in according to the embodiment~~; and~~.

Please ~~replace~~ the paragraph beginning on page 9, line 12 and going to page 10, line 2, with the following paragraph:

A-15 cont Figure ~~1~~ 3 is a diagram for explaining a configuration of a display zoom factor changing apparatus according to an embodiment of the present invention. In Figure ~~1~~ 3, reference number 10 indicates a resolution changer for changing a display zoom factor on the display screen by changing the resolution of the display apparatus. Reference number 20 indicates a window

resizer for resizing an window, which is a display area, according to a changed display zoom factor when the display zoom factor is changed by the resolution changer 10. Reference number 30 indicates a display status restorer for holding the display screen status before changing the display zoom factor and restoring the display screen to its original status when the resolution of the display apparatus is restored. Reference number 40 indicates a display status information storage for storing information for identifying the status of the display screen before the display zoom factor was changed, under the control of the display status restorer 30.

A-15 cmd

Please ~~replace~~ the paragraph beginning on page 16, line 8 and going to page 16, line 9, with the following paragraph:

Figure ~~2~~ 4 is a flowchart for explaining the operation of the present embodiment. In Figure ~~2~~ 4, when an event for changing the zoom factor of the display screen is generated by an operation through the input section 50, the display status restorer 30 first obtains information about the display status of the display screen and stores it in the display status information storage 40 if the event is a request for zoom-in of a display (steps 201, 202).

A-16

Please ~~replace~~ the paragraph beginning on page 17, line 12 and going to page 17, line 14, with the following paragraph:

Figures ~~3~~ 5A and 5B show an example in which a display image is zoomed in ~~according~~ accordance to the present embodiment. In the example in Figure 4 1, it is assumed that an active window is maximized as the display image is zoomed.

A-17

Please replace the paragraph beginning on page 17, line 15 and going to page 17, line 19, with the following paragraph:

When a zoom-in request is made by operating the input section 50 in the present embodiment, the display screen changes from a standard zoom factor status shown in ~~A~~ Figure 5A to a zoomed-in status shown in ~~B~~ Figure 5B. Comparing the display screen ~~A~~ of Figure 5A with the display screen ~~B~~ of Figure 5B, it can be seen that an active window 301 in ~~A~~ Figure 5A is maximized in ~~B~~ Figure 5B so as to extend over the entire display screen and the content of the active window 301 is enlarged.

A-18

~~Please~~ replace the paragraph beginning on page 17, line 20 and going to page 17, line 23, with the following paragraph:

When a request to restore the zoom factor to its original value is made while the display screen is in status shown ~~B~~ in Figure 5B, the active window 301 is reduced and the display screen is restored to its original status shown in ~~A~~ Figure 5A.

A-19

Please replace the paragraph ~~h~~ beginning on page 18, line 1 and going to page 18, line 3, with the following paragraph:

A-20 While some windows other than the active window 301 may or may not be maximized in ~~status B~~ Figure 5A, it cannot be determined whether they are maximized or not in ~~status B~~ Figure 5B in **Figure ~~3~~ 4**.

Please delete the paragraphs beginning with page 18, line 10 through page 18, line 19, "Brief Description of the Drawings."